

CYSTIOCERAS BÖRNER, 1912 (INSECTA, COLLEMBOLA):
PROPOSED SUPPRESSION UNDER PLENARY POWERS.
Z.N.(S.) 2120

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Schille, 1912a, in an essentially faunistic paper, gave records of some Collembola from Galicia (modern Poland). Among these are the nominal species *Cystioceras* (*Achorutes*) *semnacanthus* C. B. [i.e. Börner], *Cystioceras* (*Achorutes*) *armatus* Nic. [i.e. Nicolet], and *Achorutes* (*Neanura*) *loricatus* C. B. The names *Cystioceras*, *semnacanthus*, and *loricatus* appear here for the first time in the literature on Collembola. No diagnosis or description is given for any of these taxa.

In an earlier paper (Schille, 1908; translated with some additions in Schille, 1912b), Schille acknowledged the assistance of Börner in determining at least some of his Collembola. Since he credits the names *semnacanthus* and *loricatus* to Börner, although they do not appear in any of the latter's publications, it seems probable that these names, and the name *Cystioceras* as well, are manuscript names applied by Börner to specimens he determined for Schille.

The use of the generic name *Achorutes* Templeton, 1855 (Official Index of Rejected and Invalid Generic Names in Zoology, No. 757) in two different senses by Schille needs explanation. In connection with the name *armatus* Nic. it is evidently equivalent to the genus now called *Hypogastrura* Bourlet, 1839 (Official List of Generic Names in Zoology, No. 1037); it is so used by Schille in his other papers, following Börner, 1901 and 1903. In 1906 Börner resurrected *Hypogastrura* for this group of species and transferred *Achorutes* to the group of species now assigned to *Neanura* MacGillivray, 1893 (Official List, No. 1038). The names *Achorutes* and *Neanura* where they appear in parentheses in Schille, 1912a, are evidently intended to be explanatory, and not to be treated as subgeneric.

The names *semnacanthus* and *loricatus* are *nomina nuda* here, do not appear in any other papers by Schille or by Börner, and neither resemble any name proposed earlier in *Achorutes* sufficiently closely to be regarded as a *lapsus calami*. *Podura armata* Nicolet, [1842], however, is a well-known nominal species which was placed by virtually all specialists of this period in *Achorutes* (e.g. Börner, 1901), or, later, in *Hypogastrura* (e.g. Börner, 1906). *Cystioceras* therefore is an available name (Art. 12 and 16(a)(v)), with type species *Podura armata* Nicolet, [1842], by virtual monotypy.

Börner published a series of papers of fundamental importance for the taxonomy of Collembola from 1900 to 1914, and at one time planned to publish a "Prodromos der europäischen Collembola" (Börner, 1901, p.3-4). After 1914, however, he virtually abandoned this group, devoting his attention to other groups of insects, and especially to Aphididae. Apart from one short paper, his only later contributions on Collembola were the sections on Aptery-

gota in the 2nd through 7th editions of P. Brohmer's well-known *Fauna von Deutschland*. In the key to the genera of Collembola in the 4th edition (1932) of this work, Börner includes *Ceratophysella* nov. gen., citing as representative *C. armata* Nic., which is evidently *Podura armata* Nicolet, [1842], which becomes the type of *Ceratophysella* by monotypy. *Ceratophysella* Börner, 1932, is therefore a junior objective synonym of *Cystioceras*. The similarity in meaning of the two names, which describe a distinctive feature of *armata* Nicolet and its relatives, suggests that Börner in 1932 either had forgotten the earlier name or did not realize that it had ever been published.

To the best of our knowledge, *Cystioceras* has never been used since its original publication. It does not appear in the Nomenclators of Schultze or Neave. The name *Ceratophysella*, on the other hand, is in general use; a selection of citations is appended to satisfy the provisions of Art. 79b. The taxon to which the name is applied is cosmopolitan, with some 100 nominal species; it is generally regarded as either a distinct genus or a subgenus of *Hypogastrura*.

Since strict application of the Law of Priority would considerably upset stability, and in view of Arts. 23 and 79 of the Code, the International Commission is requested:

- (1) to use its plenary powers to suppress the generic name *Cystioceras* Börner in Schille, 1912, for the purposes of the Law of Priority but not for those of the Law of Homonymy;
- (2) to place the genus group name *Ceratophysella* Börner, 1932, on the Official List of Generic Names in Zoology, with *Podura armata* Nicolet, [1842], as type-species by monotypy;
- (3) to place the specific name *armata* Nicolet, [1842], as published originally in the binomen *Podura armata*, on the Official List of Specific Names in Zoology;
- (4) to place the genus group name *Cystioceras* Börner, in Schille, 1912, as suppressed under the plenary powers in (1) above, on the Official List of Rejected and Invalid Generic Names in Zoology.

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